

STATIONARY QUEUE FOR SCARCE RESOURCE MANAGEMENT

Abstract of the Disclosure

A system and method for managing simultaneous access to a scarce or serially re-usable resource by multiple process threads. A stationary queue is provided, including a wait counter for counting the cumulative number of threads that have been temporarily denied the resource; a satisfied counter for counting the cumulative number of threads that have been denied access and subsequently granted access to said resource; a sleep code routine responsive to the wait counter for generating a run identifier; and a wakeup code routine responsive to the satisfied counter for generating the run identifier.